SEPT. 1984 7,

EXECUTIVE SUMMARY

Mine Name: Vernal Phosphate Operations	I.D. No. ACT/047/007
operator: Chevron Resources Company	County: Uintah
Manila Star Route	New/Existing: Existing
Vernal, Utah 84078	Mineral Ownership: Chevron
Telephone: (801) 789-2233	Surface Ownership: Chevron
Contact Person: LeRoy Fyock	Lease No.(s): N/A
Life of Mine: 50 Years	Dommit Tarres D
Legal Description: Sections 19, 21, 22, 23, Townships 2 & 3 South Ba	21. 28 & 29 Preparation for Dham II
	alues 21 alu // Fast
Mineral(s) to be Mined: Phosphate ore (apa Mining Methods: Surface Mine	atite)
Acres to be Disturbed: 1 505 (75 055	
Acres to be Disturbed: 1,505 (75 - 255 at a Present Land Use: Wildlife, Grazing and Min	iny one time)
Postmining Land Use: Wildlife, Grazing	<u>11ng</u>
Variances from Reclamation Standards (Rule M-	10) Crontada
The resolution Standards (Note M-	-10) Granted: None
Soils and Geology:	
Soil Description: Gravely loam loam modera	
Soil Description: Gravely loam-loam, modera formed from residum and coluvium from sedimen	tery to strongly alkaline, well drained soil
P.1.	
Special Handling Problems: High erosion h	azard
deutouy Description: The Meade Deak member	/mh
formation are exposed on the southern flank ounderlies the ore zone while the Francon Lime	f the Uintah Mountains The Weber Sandatone
underlies the ore zone while the Franson Lime	stone lies above.
Hydrology:	
Ground Water Description: The water table 1: Sandstone. Wells are monitored somi approach	ies below the mining zone in the Weber
THE CHILD CHE CATTINGS DONG: SETTING DE	asins are employed locally to control rupoff
Water Monitoring Plan: Surface water samples groundwater is sampled semi-appually from 6 mg	s are collected quarterly from 12 sites and
groundwater is sampled semi-annually from 6 mosupplied to the Division.	onitoring wells. An annual report will be
supplied to the DIVISION.	
Ecology:	
Vegetation Type(s); Dominant Species: Junipe	or Sago Diocarece and Constant
[전략: [1] 전 12 12 12 12 12 12 12 12 12 12 12 12 12	er, Sage, Ricegrass and Sweetvetch
Percent Surrounding Vegetative Cover: 18 per	cent
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Wildlife Concerns: _Critical deer winter rang	ge impact mitigated by transplanting shrubs
to provide escape cover,	and planting of species palatable to
wildlife.	
Surface Facilities: Conveyors, crushers, pip	peline to concentrator plant, classified
tailings pond, filter, dryer, storage teepee a commencing.	nd loadout. Pipeline construction is
Wining and D. 1	
See att	achment II
Surety:	
선생님의 <mark>(1994년) 1887년 1887년 18</mark> 17년 전 1912년 1일 1917년 1827년 182	
expansion.	ditional \$2,000,000 to be provided to cover
Form: Cash	
Renewable Term: Annual	
00950 Allidat	

ATTACHMENT 2

MINING AND RECLAMATION PLAN SUMMARY

During Operations:

- 1. Surface mining of Panel D will necessitate prior soil stripping according to maps prepared from site specific soils data. Soil will either be used in contemporaneous reclamation efforts or placed in short-term stockpiles awaiting use.
- 2. Revegetation and stabilization efforts will occur as near as practical to an area being mined out. Additionally, Chevron Resources has made a practice of reclaiming the "backlog" of unreclaimed disturbance from the previous operator.
- Water quality is maintained by the use of french drains through which runoff from the disturbed area is routed. Sediment settles out as water passes over the coarse materials of the french drain owing to decreased velocities.

Runoff from the access roads is diverted by berms to basins where it is collected and evaporated to prevent sediment from leaving the immediate area. Sampling of local springs and of the french drain outlets are taken regularly.

- 4. The Utah Division of Wildlife Resources (UDWR) has previously determined that the impact to wildlife migration is substantially mitigated by the cover adjacent to active operational areas. Further, UDWR is not aware of any impacts to the fisheries in Brush Creek or Red Fleet Reservoir. Transplanting will occur in certain areas to provide escape cover for wildlife.
- Public safety will be enhanced by warning signs: the highway crossing will be fenced and well monitored; proper blasting procedures will be employed; and chemical analysis of overburden and tailings has revealed no problem concentration of any potentially toxic elements.

After Operations:

1. All extraneous debris will be disposed of according to a current permit from the Department of Health or otherwise disposed of in an approved manner.

- Final grading will be done to approximate the original contour as closely as possible and to provide the most stable surface. Inclined terraces will be put in place to enhance stability and infiltration while decreasing runoff velocities.
- 3. All mined areas will be topsoiled and reseeded with species conducive to wildlife and livestock.

Any person or agency aggrieved by this tentative decision is hereby requested to submit written protest within thirty (30) days of the date of publication to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114, setting forth factual reasons for his or her complaint, and thereafter, at a time and place to be established, appear before the Board of Oil, Gas and Mining to show cause, if any, why this mine plan revision should not be approved.

